

## Great People Are Formed in The Smart Kindergarten

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### ABSTRACT

The majority of our country's population is young people. There is no doubt that the application of this vital project in the education of preschool children will have a great practical effect. After all, the future of Uzbekistan is created by today's young generation, It is a fact that our motherland, located at an important crossroads of the Great Silk Road, has been the cradle of world civilizations in the past. Our ancestors such as Muhammad Khorezmi, Abu Raikhan Beruni, Ibn Sina, Abu Nasr Farabi, Ahmad Farghani, Alisher Navoi, Mirza Ulugbek left behind a great scientific and spiritual heritage. Therefore, we must try to effectively use such advanced innovations and good ideas to provide them with modern education. "The state standard of preschool education and upbringing" states: The organization of a preschool education system based on modern requirements is aimed at introducing methods and educating a spiritually mature generation, healthy and comprehensively mature children, and effective forms of education. Expanding the network of preschool educational organizations, providing qualified teaching staff, radically increasing the level of preparation of children for school. Widespread implementation of the recommended innovative idea throughout the republic will create the basis for the emergence of great thinkers in the future.

**Key words:**Preschool and school education, psychology, professional personal development, curiosity, activity, internal motivation, heredity, awakening, parents, teachers, innovative methods. preschool education, "smart kindergarten", innovation, premises of a free profession, ergonomics, compositional solution, modern methods and technologies, project, design solution, landscape architecture.

### Introduction.

On a global scale (South Korea, Finland, Germany, France, Great Britain, etc.) development of creative technologies aimed at increasing the psychophysiological, intellectual, creative potential of children, creation of an innovative educational environment in pre-school education organizations, and orientation of children to professions, modern information- Based on innovative approaches based on communication technologies, scientific and practical researches are being conducted on improving the mechanisms of quality indicators of preschool education [1].

Today in the land of New Uzbekistan, the processes of spirituality, enlightenment, education and upbringing are rapidly gained meaning. In the creating such changes, the knowledge, skills and creativity of young people are of great importance. In fact, on the basis of this principle, education and upbringing policy is concentrated in a single point.

Both education and upbringing have their purpose. In one, the subconscious effect is formed, and in the other, human attitude are demonstrated. In turn, these two directions of spirituality combine to form a personality. In this way, the condition of harmony with time, the way of knowledge and the ideology of intellectual maturity are developed. This is the basis of life expectancy.

There is a wise saying in the West: "Science spreads from the East". It's not for nothing. It is not a secret to anyone that in ancient times, science was highly developed in the East, and in particular, great attention was paid to the education of children as a matter of life and death.

It is a fact that our motherland, located at an important crossroads of the Great Silk Road, has been the cradle of world civilizations in the past. Our ancestors such as Muhammad Khorezmi, Abu Raikhan Beruni, Ibn Sina, Abu Nasr Farabi, Ahmad Farghani, Alisher Navoi, Mirza Ulugbek left behind a great scientific and spiritual heritage.

“The state standard of preschool education and upbringing” states: The organization of a preschool education system based on modern requirements is aimed at introducing methods and educating a spiritually mature generation, healthy and comprehensively mature children, and effective forms of education. Expanding the network of preschool educational organizations, providing qualified teaching staff, radically increasing the level of preparation of children for school. The introduction of modern educational programs and technologies into the educational process, raising children with comprehensive intellectual, moral, solutions, programs created to provide conditions for aesthetic and physical development, which indicate a modern approach to the educational process. The radical renewal and improvement of the education system in our country, including the preschool education system, has become one of the priorities of our state policy. Over the years, strong legal frameworks and institutions have been created in our country for the development of this area<sup>1</sup>.

In this area, in order to ensure the implementation of Decree No. PF-14 [2] of the President of the Republic of Uzbekistan dated January 25, 2023 "On the first organizational measures to effectively establish the activities of the executive authorities of the Republic":

1. Priorities of activities of the Ministry of Preschool and School Education;
2. The program of organizational changes implemented in the system of the Ministry of preschool and school education;
3. Organizational structure of the Ministry of preschool and school education;
4. Organizational structure of preschool education agency;
- Organizational structure of the agency of specialized educational institutions;
5. "road map" for deepening reforms and transformation of system activity in the field of pre-school and school education;
6. The list of functions transferred to the private sector of the Ministry of Preschool and School Education and organizations within its system was approved. It is also determined that it is necessary to further expand the state and non-state networks of preschool educational institutions, to create a healthy competitive environment between preschool educational institutions, and to introduce new forms of preschool educational institutions under the conditions of state and private sector partnership.

They have a preschool education system improving, healthy, active, full-fledged, socially adapted child children with various developmental disabilities, personality formation, as well as children in need of rehabilitation and rehabilitation creating a favorable environment for teaching, upbringing and integration in order to choose a smart kindergarten and children's free profession in it creating opportunities, innovative design solutions, electronic information it is necessary to widely introduce systems.

Preschool education is the main link of the continuous education system. Resolution No. PQ-4312/3106 of May 10, 2019 "On approval of the concept of development of preschool education system of the Republic of Uzbekistan until 2030" -wide implementation of innovative and ICT in the educational process, implementation of STEAM educational elements in preschool educational organizations, as well as creation of a personal, free creative environment aimed at developing free professional interests of children are defined as priority tasks. Along with these tasks, it is important to develop technologies aimed at developing children's intellectual and cognitive abilities. It is very important to use an innovative method of determining children's interest in free professions in the time system (hours and percentages) by means of digital electronic technology.

In general, preschool education facilities in our Republic beautification and landscaping, pre-school education used in institutions, primarily children's aimed at developing intellectual and cognitive abilities special rooms and state of games and toys in them development of standards should be carried out.

Over the past years, the construction of educational institutions, up to school introduction of modern techniques and technologies in educational institutions, training specialists who can meet today's demands and extensive work was carried out to improve their qualifications.

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<sup>1</sup> The law of the Republic of Uzbekistan. December 16, 2019, OrQ-595

Today, pre-school educational institutions are planned scientific in solving the main and priority problems tasks are as follows [4]:

- the current state of preschool educational institutions critical learning;
- analysis of planning solutions of existing educational facilities to do;
- study of foreign experience and make the necessary conclusions;
- professional skills in preschool educational institutions which helps to form and determine the direction of a free profession development of innovative room design solutions;
- education of children admitted to kindergarten regardless of age and which in the course of education voluntarily and freely in the profession rooms. It is electronic to continuously monitor the interest in the direction in the kindergarten introduction of information system and others.

Prohibition methods.

For the "Smart Kindergarten" concept, the creation of a software platform related to the profession in preschool educational organizations based on the formation of children's free interest in the profession, as well as to determine the profession of children who are interested in a profession based on monitoring [4].

- To provide educators with methodical and didactic support to help preschool children develop their interest in professions.
- Creation of provision of electronic educational professions catalog for preschool children to use independently.

The main goal of this project is to direct the interest of 3-7-year-old children to professions in preschool educational organizations based on the "Smart Kindergarten" concept, to prepare educators for this activity, electronic software and an electronic web for preschool children to work independently. -platform consists of creating computer educational games.

In general, who and what profession the child will have choose? Usually, the question of professional self-determination is only in high school in connection with the need to choose a field of additional education for the child begins. However, for this he is already from kindergarten can be prepared. It is known that interest in work from childhood, necessary work skills and personal qualities are formed. The role of teachers and parents this moment is not to be missed. According to E.F. Seer, professional self-identification is a person's self-image in a particular profession and culture is an important factor. Today, the person is a professional.

There are several models of detection. E.A. Klimov considers professional self-determination as one of the most important signs of a person's mental development, the process of his inclusion in the professional community [5].

Therefore, each stage of a person's professional development is unique and important. The psychologist says that a person's professional development takes place throughout his life.

Thus, the first professional development of personality stage begins in the formative period of self-awareness (2-3 days) and lasts until adolescence (10-12 èsh). In the next step – secondary options – the search and selection of educational and professional fields is available. This process occurs during adolescence (up to 15-16 years old).

Therefore, to choose a future profession, prepare the child before school you need to start preparing. Who are his parents and grandparents? Know that he worked, with the characteristics of different professions dating, and who he wants to be when he grows up should be interested.

Children's social self-determination and children's social. The development of the initiative is the first priority at this stage is one of the main tasks, because nowadays the whole free to move around the world, self-determination the problem of educating a cultured person is in the first place is standing. For this, the experience of living in a social system. It is very important to form and define career prospects. The content of modern preschool education is subjective to the child corresponds to the scope of experience. The learning process is rational and emotional should include experience.

This is the duty of adults to the child with the help of game models and helping to understand the experience is a correction in a generalized form.

Forming a respectful attitude towards work in children for different types of adult professions, work in human life place, work results and people moving in the work process it is important to enrich their thoughts about the

reasons.

Before school children are able to understand the essence of adult activities. Such knowledge to understand society and the duties of each person provides, to regulate the behavior of children, their helps restore motivations and relationships to personal work, adult work, and human creations. In this way, social values, social requirements and the process of assimilation of norms accepted in the society is carried out is increased, the moral foundations of a person are formed. This is one of the main tasks of educating preschool children.

A great alternative to teaching children in kindergarten it is necessary to emphasize that it is important to introduce methods [6,7].

Including:

- step by step based on a separate "Roadmap" to be approved the following invention - "NAUXAU" is of great importance in carrying out such tasks;
- to raise preschool children to maturity in all aspects delivery, effective forms of education and training in the educational process and introduction of methods;
- innovations in the preschool education system, advanced pedagogy and introduction of information and communication technologies;
- training and retraining of preschool education system employees, completely new to training, recruitment and development implementation of agreements;
- the results achieved in the performance of tasks in the concept, target indicators and the main intended for the corresponding period to evaluate annually based on directions. Today's standard of kindergarten in the first innovative project based on the requirements, the special rooms specified in the project must be built.

These rooms are for children's attention-grabbing professions information about scientists and great educators, cartoons and toys are provided. For example, technology, art, medicine, botany, zoology, geography, basic science rooms, etc. Through this, the children admitted to the kindergarten are educated regardless of their age and during the education process at will and freely in professional rooms Continuous monitoring in kindergarten, which profession is more interested will go Which profession the child chose more in psychology, every month based on the collected data on how the interest is spent is analyzed. As a result, it was observed in the course of 4 years of education. Sociological research is done to find out what occupation the child is interested in.

How many percent (two hours) is determined. For example, a child For 4 years, 70% to the "technique" direction, 20% to the profession in the nature direction, and if 10% are interested in art and received education, this is at the next stage the profession chosen by the child in school, high school, college and university if he gets knowledge in the auditoriums in the conditions created for his direction. Of course, mature, creative and up-to-date in the field of technology. It is clear that there will be a responsible specialist.

Another important point of this method is that the child chooses himself

If the profession does not work later, if it gets tired during training, it is the second indicator that is, he will be able to continue studying in the direction of nature. Another advantage of the project is the children's parents of the children

about what kind of profession they are interested in taking information about the conditions of the child's interested profession at home is to have the opportunity to create and educate. As a result, kindergarten and family the recommended method of education of members according to their profession the efficiency of application increases [4,8,9].

Results and Discussion.

Proposed innovative project solution. Technological significance.

- creation of a web platform "Smart Kindergarten" that develops cognitive processes taking into account the physiological characteristics of preschool children;
- creation of software that introduces preschool children to professions and serves to determine their professional interest;
- For the "Smart Kindergarten" concept, it is to create software for the formation of children's free interest in the profession.

Socio-economic importance. The implementation of the project results into practice will increase the quality of education in preschool educational organizations, create and monitor conditions for the comprehensive development of children, interactive information exchange through the creation and popularization of the "Smart Kindergarten" web platform, and save resources in the educators' work system [4,6,7,10,11,12,13,14].

In addition, it is planned to achieve the following as a result of the project:

- For the "Smart Kindergarten" concept, software for forming children's free interest in the profession will be created and put into practice;
- creation and implementation of a web platform based on innovative methods will help to organize classes with children in preschool educational organizations;
- articles are published based on research results in republican and scientific journals, publications indexed in "Web of Science Core Collection" or "Scopus" database.
- commercialization prospects for the "Smart Kindergarten" concept, based on innovative methods, to launch the commercialization of the software for the formation of children's free interest in the profession;

After gaining independence, our country conforms to world standards. A large-scale work on the creation of various objects is carried out is increasing. Only in the first years of our republic's independence trade and economic relations with the outside world of entering the world market development was given great importance. Including education building and renovating residences are taking place rapidly and such works are being continued. This project an area of 1.5 hectares will be required for implementation. It is the main one in the area planned kindergarten building, children's playground, zoo, It is planned to plan a botanical garden and parking lots.

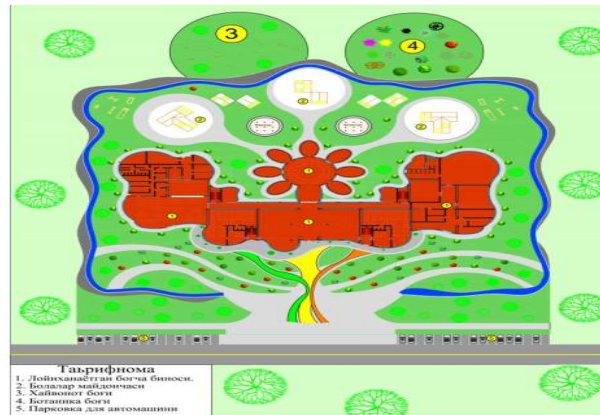
The main kindergarten building has 2 floors and a construction area of 3175.0 m<sup>2</sup> consists of The total area of the building is 5725.0 m<sup>2</sup>, and the construction volume equal to 25000 m<sup>3</sup>. The main innovative solution of the project is its children is a complex of choosing a free profession. This complex is common to consist of a hall and 7 rooms of professions leading from it implied. The central part of the hall is made in the form of a circle and is suitable for it It is equipped with a shaped table (for 50 to 75 children).

Career path basic science room, mechanical room, medical room, art room, innovative technologies room, world languages room, areas such as the geography room can be chosen. These rooms can be increased according to demand. Area of professional rooms. Kindergarten should be selected according to the number of children. This it is recommended that the rooms be around 30-40 m<sup>2</sup>. Designing rooms for choosing professions and them ergonomic requirements must be observed in the equipment.

Rooms and equipment are safe for children, according to their size and physique it should be interesting and suitable for their abilities. Human body

In addition to anthropometric dimensions, the designer is anatomo-physiological knowledge of its properties, such as the functional capacity of muscles the magnitude of the given stress, the distribution of the mass in the human body, depending on the anatomy of internal organs, the condition of the human body it is necessary to know its functional properties [4,8,9].

Anthropometric data of human functional and physiological depending on the capabilities, that is, on the nature of the movement, such as it should be carried out in connection with human behavior in the course of work. Thus, ergonomics allows children to comfortably adapt to equipment, thanks to the functional dimensions that fit the human body gives He is also serious about the exterior design of the building and landscape solutions communication is required. In this case, from unusual shapes and compositions use will give good results.



In the background of all this, child education has an important role. After all, in our country, child rearing has been carried out in harmony with education since time immemorial. In this regard, the slightest slackness is not allowed. The perfect person upbringing is highly valued. In this place, it's enough to remember our great enlightened our ancestor Abdulla Avloni, he said " Upbringing is for us either life or death, or salvation, or happiness or calamity".

The fact that such a deep life principle is still being followed without deviation, and the fact that more attention is paid to the education of our children in Uzbekistan is our greatest achievement.

It is special that President Shavkat Mirziyoyev, who recently participated in the World Conference on raising and educating children of preschool age, held in the city of Tashkent, highlighted to define the issue of creating decent living conditions for the population of our country as a priority of the policy of New Uzbekistan based on the principle of "Human dignity, his rights and interests - the highest value".

Our Dear President said: "By developing children from a young age, creating suitable conditions for their education, we are creating a solid foundation for youth to fully express their identity in the future. After all, there is no doubt that the investments spent in the path of our noble goal will return tomorrow with several times more", his words are a clear indication that the issue of education of the young generation in our republic has risen to the level of state policy.

In such a situation, we are all required to be constantly vigilant in the path of our children's development, and in this regard, we must constantly search, promote new ideas and initiatives.

Today, we are witnessing that a number of achievements are being achieved as a result of large-scale reforms implemented in our country. One of them is the creation of the innovative educational system "Smart Kindergarten", which includes four important principles. [4,6,7,15,16,17,18].

The important aspect of these recommended principles, recognized by world scientists, are recognized with great interest. This modern educational system was discussed in detail at international conferences with the participation of the leadership of the Ministry of Pre-School Education and experts in the field. Also, these innovative methods are being tested in pre-school education organizations, rightfully recognized as a unique innovation in the education of preschool children.

***The first principle is to give content to the child's mind***

Imagine how happy your child will be when he comes home from kindergarten happily saying, "I got two A's today"?! You will surely feel gratitude in your heart. every achievement of your child will lift your heart like a mountain.



It is necessary to take into account that the pre-school period is of great importance in the formation of a child as a person. Therefore, from the first days of his administration, President Shavkat Mirziyoyev began to pay special attention to the education of preschool children. It is a fact that the implementation of the President's wise words that such young people who have received kindergarten education will become great creative scholars known to the world after 18 years, is a practical proof of such a good initiative. A number of important decrees and decisions aimed at improving the operation of this system were adopted, the national legislative framework was completely renewed in this regard, and the Ministry of Preschool Education was established. In addition, the concept of developing the preschool education system in the Republic of Uzbekistan until 2030 was developed. In this document, special emphasis is placed on finding and implementing unique alternative methods of teaching children in kindergarten.

According to representatives of the medical field, the movement of nerve fibers begins to form in the fetus when it is three to four months old. It has already been proven that the physiology and psyche of the child's brain is the main criterion for the formation of consciousness and intelligence. According to the results of scientific research, from the moment a child is born, he connects with the environment through the senses such as seeing and distinguishing different colors with the help of eyes, ears and sensory organs, and after eight days, he hears his mother's voice and feels his parents' caress. As a result, his young child becomes interested in everything around him. In other words, the process of curiosity expands in the baby, he strives to understand existence. This is how consciousness begins to form. When a child is 4-5 years old, the sense of understanding and seeking to know through curiosity becomes extremely active. His brain cells work intensively in this direction. As the child grows up, he begins to develop a conscious interest in objects related to the profession he likes among the toys, pictures, and moving mechanisms around him.

This is the original novelty of the first principle which is proposed. It means, children of preschool age pay attention to a certain toy, object and event that is valuable and pleasant for them with a sense of curiosity, and their attitude is formed accordingly. Such children naturally develop specific interests and behaviors.

With the help of educators, children begin to get knowledge consciously, carefully, and steadily. This helps to develop the child's abilities, intelligence, fluency, and better understanding of existence. Feelings such as curiosity, activity, internal motivation, the awakening of heredity in DNA and RNA act as a source in realizing the need in them. In turn, such changes encourage them to be interested in existence freely, according to their own will, to make independent decisions, to keep themselves under control, to strive for a goal and to overcome various



obstacles.

Curiosity and clarity broaden children's horizons. Therefore, teaching them to manage personal curiosity, using special exercises, trainings, and tests in this direction will help to form the qualities of ambition and strength in them in the future.

### ***The second principle is monitoring of professions***

This principle is based on the analysis of monitoring interest in 5-6 professions in children from 3 to 7 years old based on the advanced scientific and practical experience of education.

In this regard, the equipment of training rooms is of particular importance in learning professions related to technology, agriculture, health care, computer technology and digital mathematics. For example, providing children with attractive information, examples of the work of scientists and educators, cartoons and toys will give good results.

How many hours children should spend in such equipped rooms is determined using special electronic informative media. During the year - every day, every month and every quarter, the information related to the interest of each student in professions is recorded on the computer.



It is known that a baby who has just arrived in kindergarten wants to enter all the occupation rooms and engage in them for 4-5 months. After that, he stays longer in a certain room and starts practicing. This is a sign that the hereditary feelings passed through the DNA and RNA of his ancestors have begun to awaken in his mind. That is, mental feelings in the child form a conscious interest in the profession.

So, if you press a special computer button with the name of a child who has studied for 2-2.5 hours every day in the vocational room, the screen will show information about which profession he is most interested in. These data are sociologically analyzed, and the kindergarten administration gives each child a special certificate about how many hours he spent in the profession he was interested in during his four-year education. On this basis, the child is admitted to a class specializing in the relevant profession. As a result, he chooses the profession he likes until he graduates from school.

When it comes to this, it is appropriate to include special creativity and practical lessons in the curriculum of secondary schools, and creative, practical and theoretical lessons in higher educational institutions, and reduce science programs that are not suitable for the profession. Only then will our sons and daughters perfectly master the secrets of knowledge and practice in the field of profession chosen according to their wishes, based on their hereditary feelings. Such young people will become mature specialists in the future.

Japanese scientist Masaru Ibuka clearly proved the importance of this practice through life examples. According to him, 70-75 percent of children's active curiosity is formed before the age of 3 years. After that, educational work should be aimed at giving meaning to the mind of the developing child.

Another important aspect of this method of education is that if the child does not like the profession he is interested in later, he can continue to study in another profession during his studies at school. In addition, child



education is conducted on the basis of a comprehensive approach. Parents also create the necessary conditions for their children at home, based on information about their children's interests.

Even now, kindergartens are used for vocational training for children. But there is a commonality in this, that is, a joint training is held for all children. The extent to which each child is interested in the profession that the educator is attracted to, his heredity and other important factors are almost not taken into account. In fact, the choice in this regard should be left to the baby.

***The third principle is the education of musical knowledge in children***

Developing the musical taste of preschool children puts a number of important tasks before the experts in the field. For example, both parents and educators need methodological guides based on innovative methods in this regard. Taking this into account, every year from three months to seven years of age, a poem is written about the formation of the child's mind and growth, and an anthology of 8 clips is created in the direction of national music performed by talented artists. This anthology truly serves as a musical guide for educators and parents.



In the music anthology, the period of formation of the consciousness of preschool children is divided into 7 seasons. The first period includes the first three months of the fetus in the mother's womb. As we mentioned above, in this process, the child's nervous system is formed, sensory organs develop. It is from this period that the child gets the first impressions about the quiet and happy life of his future parents. In this process, it is recommended to use a musical duet (conversation), sing songs filled with gratitude.

***In the fourth principle***, it is necessary to create an encyclopedia covering the innovative educational methods used in the world's leading countries to educate preschool children in an oriental spirit. After all, even in today's comprehensive reforms, the goal of achieving a prosperous life by honoring our original national values, showing respect to elders, reverence to children and being kind to each other is embodied.



The innovation in the creation of this recommended encyclopedia is that advanced innovative methods of child upbringing in developed countries are written in separate chapters in the appropriate alphabetical system. First of all, in the first chapter of the encyclopedia, information on the education of preschool children is covered based on the sources from the Avesta history of the Turkic-Uzbek nation to the present day. Also, the innovative education methods used in developed countries and the education methods related to the life of the great scholars of our time and their contribution to the treasure of world civilization are recorded in separate chapters of the alphabet system.

The architectural history and animation of "Smart Kindergarten" will be developed according to the requirements illustrated by the above principles.

In a special chapter, which is attributed to factors that negatively affect the upbringing of children, it is recommended to also cover information about social, National, Family, professional disadvantages, defects and negative vices.

In a word, it was noted that the four innovative principles mentioned above need to be supported by qualified experts and put into practice. The Intellectual Property Agency of the Republic of Uzbekistan issued a certificate to the "Smart Kindergarten" project based on innovative principles.

There is no doubt that the application of this vitally important project in the education and upbringing of children of preschool age will have a great effect in practice. After all, the future of Uzbekistan is created by today's young generation. Therefore, we should try to make effective use of such advanced innovations and good ideas in order to provide them with modern education. [4,19,20,21,2].

**In short, the majority of the population of our country if we take into account that it consists of such innovative projects. As a result of its implementation, children are interested in their profession from kindergarten to determine the direction, to direct them in the future, a great contribution to the opportunity to choose a profession suitable to his abilities gives Currently, the implementation of such innovative projects is urgent is important.**

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**After all, the future of Uzbekistan is created by today's young generation. Therefore, we should try to make effective use of such advanced innovations and good ideas in order to provide them with modern education.**

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