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THE NEXT-GENERATION INNOVATIVE AND INTERACTIVE SCHOOL: EMBRACING AI.

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"These simple words, 'Just do it like this...', spoken by one educator, possess a certain magic. They hold great moral, emotional, and aesthetic weight, characterized by an all-subduing power that can charm the soul and affirm its sense of dignity.
(Nikolai Konstantinovich Roerich, Academician)."

ABSTRACT: *In this article, the focus of learning is not the formal "completion" of subjects, but real, meaningful action. The educational process being built here is described as a system of projects and research trajectories, in which subjects work together to create a unified semantic space.*
Interdisciplinary is not an add-on, but the foundation. All modules are designed so that students see the connections between linguistics, physics, literature, mathematics, and history. This is a world where knowledge is not divided into "textbooks" but reflects the structure of life.
KEYWORDS: *multitasking; flexible; responsive; intellectually developed; personal navigator; progress map; idea laboratory; knowledge playground.*

We are living in a time when school is extending beyond the traditional building, schedule, and simple knowledge exchange. It must transform into a dynamic, intellectual, and cultural ecosystem that fosters the full realization of each student's potential. This document is not just a description, but a concept, a project, and an ambitious undertaking: we are already building the school of the future today. In an era of rapid change, schools must adapt to contemporary

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children, who are accustomed to multitasking, technology, and networked interaction. They must be flexible, responsive, intellectually developed, and genuinely humane to meet their desire for meaning, adaptability, and critical thinking.

Education has one very interesting characteristic: what is instilled in the student's soul today through the efforts and will of the educator yields its results not tomorrow or the day after, but ten, twenty, or even a hundred years later. More than anyone else, the teacher works for the future.

The point is that the means of educational influence cannot be viewed as something existing separately from the personality of the educator. We consider them an organic component of the entire spiritual life of the educator; their moral, intellectual, emotional, and aesthetic culture, which finds its expression in the culture of relationships with the students. The magical power of the educator's word, their enchantment, the irresistible force of their influence – all of this depends on many conditions.

The "School of the Future" project is our step towards creating an education that aligns with the realities of the 21st century. We observe the world changing at a dizzying pace, while educational methodologies remain in the past. Our goal is to build a school where critical thinking, mindfulness, project-based learning, and technology work in synergy. This is a space designed for a new generation of students, teachers, and parents who aspire to an education filled with life, meaning, and depth.

Our school views the student not as a cog in the educational machine, but as a full-fledged partner in creating their own educational journey. Our goal is not simply to impart knowledge, but to cultivate individuals capable of independent thought, deep emotional engagement, proactive action, and creativity.

School as a Crucible of the Future: The school is shedding its skin as a simple lecture hall and becoming a true workshop, with each student as the chief creator. It's a realm for audacious visions, for agency, and for the essential journey of learning through experimentation and setbacks. You are not just a piece of the puzzle, but its beating heart, setting the pace.

Artificial intelligence does not replace the teacher in the classroom but becomes their powerful ally, enabling personalized learning to reach a new level. It takes on the role of an assistant, helping with knowledge analysis, building learning strategies, selecting "keys" to the material, and providing targeted feedback.

Examples of how this happens:

Personal Navigator: An AI tracker, like an experienced guide, offers the student choices of directions and methods for mastering material, drawing on their previous journeys in the world of knowledge.

Progress Map: The system visualizes the student's path, showing the

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peaks they have already conquered and the passes where additional effort is required.

Idea Laboratory: Generative AI becomes a tool for building bold hypotheses, finding non-obvious solutions, and modeling various scenarios of event development.

Knowledge Playground: Learning transforms into an exciting adventure through simulations, training programs, VR expeditions, and interactive scenarios.

Ultimately, the school transforms into a navigation platform for thinking and growth. The child becomes the captain of their educational ship, consciously steering their course rather than simply drifting with the current of the schedule. Technologies do not create obstacles but open up boundless trajectories for development. The next stage is a harmonious combination of ready-made educational modules with individual routes, charted by an AI navigator and filled with deep meaning.

A modern school is not just about knowledge transfer, but also about personality development. In it, children learn to build dialogue, work in teams, deeply understand themselves and others, effectively manage their emotions, and respond flexibly to new challenges. These skills become the foundation of education, determining success in life.

What are "Soft Skills" and why are they important:

Communication Skills and Public Speaking: The ability to convey your ideas and speak confidently.

Empathy and Active Listening: Understanding others' experiences and the ability to truly hear your interlocutor.

Critical Thinking and Argumentation: Analyzing information and constructing convincing arguments.

Time Management and Concentration: Effective planning and focus.

Flexibility of Thought and Emotional Regulation: The ability to adapt to changes and manage your feelings.

How these skills are developed:

Theatrical Productions and Improvisation: Developing self-expression and self-confidence.

Debates and Discussions: Practicing the ability to defend your point of view and listen to others.

Project-Based Learning: Learning collaboration and task delegation.

Bodywork and Breathing Exercises: Improving mind-body connection and emotional control.

AI-Assisted Analysis: Receiving feedback on speech style, logic, and intonation.

Security is the foundation of trust and resilience in a school. We perceive it as a multi-layered system encompassing physical space, digital infrastructure, and emotional atmosphere. In an era of open technologies, hybrid learning formats, and heightened social sensitivity, each level demands thoughtful architecture, ethics, and practices.

Our vision of artificial intelligence lies in its ability to identify fundamental

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principles within information, demonstrate reflexivity, formulate goals, and find optimal paths for their realization. AI, as a kind of benchmark, presupposes the presence of cognitive activity, flexibility in adapting to new conditions, and the ability to integrate various cognitive processes, all of which are inherent to humans. At the same time, artificial activity is essentially an analogue of natural intellectual (scientific) activity, perhaps only having lost its inherent "human touch."

A key area of AI application is the development of computer expert systems. Scientific disciplines, including fundamental and specialized ones, aimed at a comprehensive study of AI, are designed to analyze and create algorithms for computer systems that would mimic intelligent and purposeful behavior.

What, then, distinguishes "intelligence" from other logical concepts, such as the transcendental? We believe that "intelligence" is primarily human reason, that is, the capacity for reasoning and thinking. However, the concept is broader than that. Intelligence is also associated with insight and intuition, representing a complex of mental functions such as comparison, abstraction, judgment formation, and logical inference.

President of the Republic of Uzbekistan Shavkat Mirziyoyev on December 1, 2025, reviewed a presentation on the progress of implementing artificial intelligence (AI) technologies in the fields of healthcare, education, transportation, and the space industry. Starting from the 2026/2027 academic year, AI programs will be launched in schools, technical colleges, and universities. For this purpose, training of computer science teachers is underway.

It was noted that not only teachers of computer-related subjects but the entire school staff should be trained in AI technologies.

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