

# To remove the class - educational revolution

In California inconspicuously began an educational revolution that will change with upside down ideas about how should look the school and University.

The division of students into classes, lectures and cramming theory, these elements of the educational process for hundreds of years. They are so familiar as to seem immutable. But is it? Is it possible to create new model schools and a University from scratch, not based on old traditions and on the latest achievements of the science of learning? It is with this question and began a quiet educational revolution, which, like a tsunami gaining momentum in California.

Its flagship startup University Minerva Schools, founded in 2012 with the participation of the former President of Harvard Larry Summers. Last spring, the startup was ahead of the competition the Harvard. And established in 2014 the founder of the largest platform school online course Salman Khan of the Khan innovative school Lab School and even encroached on the sacred: canceled assessments and homework! To better understand the modern global world, students Minerva for four years of study in seven cities from San Francisco to Seoul. At Khan Lab School is also not far behind with radical innovations and got rid of the separation of students into classes.

The tragedy of the modern school is a factory is that it teaches facts and algorithms. But it is in these two areas successfully a new generation of intelligent machines. In contrast, both the startup state that prepare students for occupations which don't exist yet. At the heart of learning — learning about critical thinking, creativity, ability to communicate effectively, as well as [best write my paper](#) the development of personal skills such as curiosity, initiative and perseverance in the face of difficulties.

The apparent singularity of these innovations are not quirks of their creators, and scientific discoveries in the field of teaching for the last 20 years. And the most important of these is the principle of active learning, which States that effective learning is possible only when instead of passive listening to lectures man critically analyze the new information and checks their understanding by performing practical tasks. Minerva lectures replaced by intensive online seminars where cassubica theory, these elements of the educational process for hundreds of years. They are so familiar as to seem immutable. But is it? Is it possible to create new model schools and a University from scratch, not based on old traditions and on the latest achievements of the science of learning? It is with this question and began a quiet educational revolution, which, like a tsunami gaining momentum in California.

Its flagship startup University Minerva Schools, founded in 2012 with the participation of the former President of Harvard Larry Summers. Last spring, the startup was ahead of the competition the Harvard. And established in 2014 the founder of the largest platform school online course Salman Khan of the Khan innovative school Lab School and even encroached on the sacred: canceled assessments and homework! To better understand the modern global world, students Minerva for four years of study in seven cities from San Francisco to Seoul. At Khan Lab School is also not far behind with radical innovations and got rid of the separation of students into classes.

The tragedy of the modern school is a factory is that it teaches facts and algorithms. But it is in these two areas successfully a new generation of intelligent machines. In contrast, both the startup state that prepare students for occupations which don't exist yet. At the heart of learning — learning about critical thinking, creativity, ability to communicate effectively, as well as the development of personal skills such as curiosity, initiative and perseverance in the face of difficulties.

The apparent singularity of these innovations are not quirks of their creators, and scientific discoveries in the field of teaching for the last 20 years. And the most important of these is the principle of active learning, which States that effective learning is possible only when instead of passive listening to lectures man critically analyze the new information and checks their understanding by performing practical tasks. Minerva lectures replaced by intensive online seminars, where each student must defend his position, and the Khan Lab School instead of the monotonous nachito teachers give individual consultations for students. All the theory students learn independently using carefully selected interactive online courses from the best teachers in the world.

This approach allowed the Khan Lab School move to personalized learning and to abandon the division into classes. The thing is that usual for us school system allows for the study of each topic, such as fractions, a fixed amount of time. For one conventional week one of the students to cope with the faster theme of the plan, and it becomes boring. Others, conversely, have time to deal with fractions only 80% or 60%, but have to move on to studying a new topic. Gradually the gaps in knowledge are accumulated, which leads to a total misunderstanding and demotivation of students. In the apt words of Salman Khan, this approach is reminiscent of the construction of the unfinished Foundation: just because we decided that the Foundation of any building will be built exactly a week and not one day more.

At Khan Lab School everyone studies as much as he needs for mastering it to perfection. Instead of division into classes, which is now impossible, the students are divided into five levels of independence: the first teachers direct students in the same way as in a normal school, and the last students engage in a practically Autonomous. Children of different ages, are at the same level of autonomy, learning together, helping each other.

In this new model of education, a good half of the learning process takes place in the format of the work on interdisciplinary projects with maximum immersion in the real world. For example, students working on a project for Economics in which to create their own small innovative business, interning at a real startup and communicate with well-known entrepreneurs of their city.

Sounds fantastic, but a few months ago, the first school on the model of the Khan Lab School start in China, followed by other countries. Maybe in 20 years our children will be as surprising to read about how taught by their parents, as it is difficult for us to imagine that in such schools and universities will study our children.

